

FIG. 1

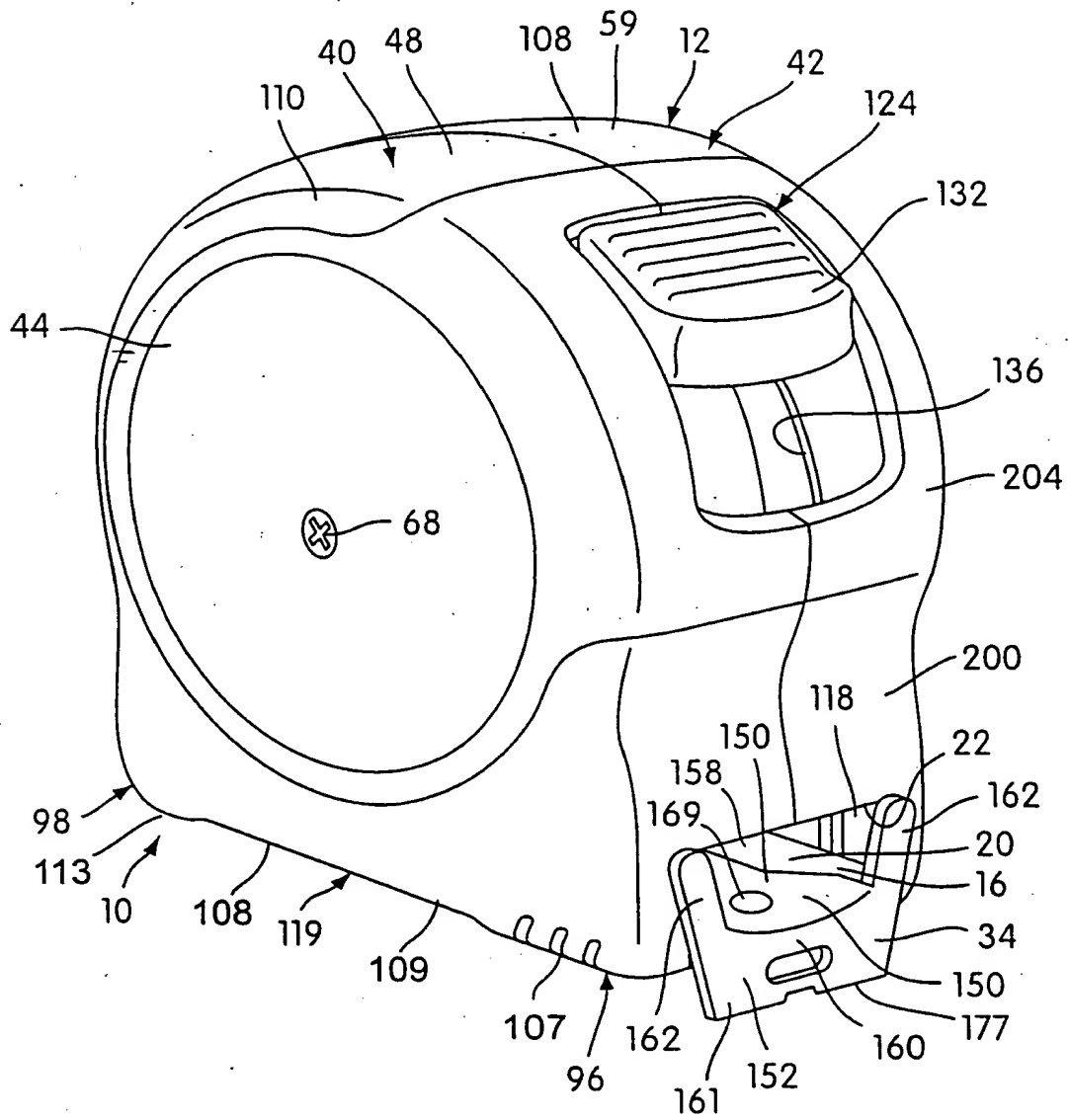


FIG. 1

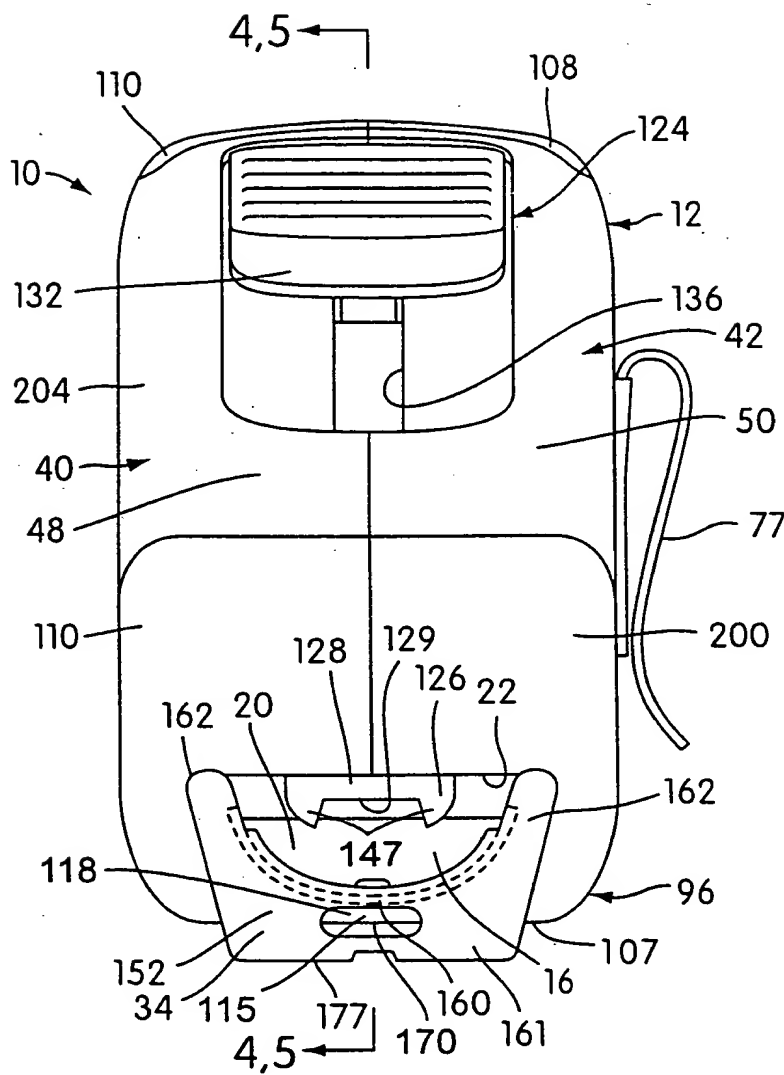


FIG. 2

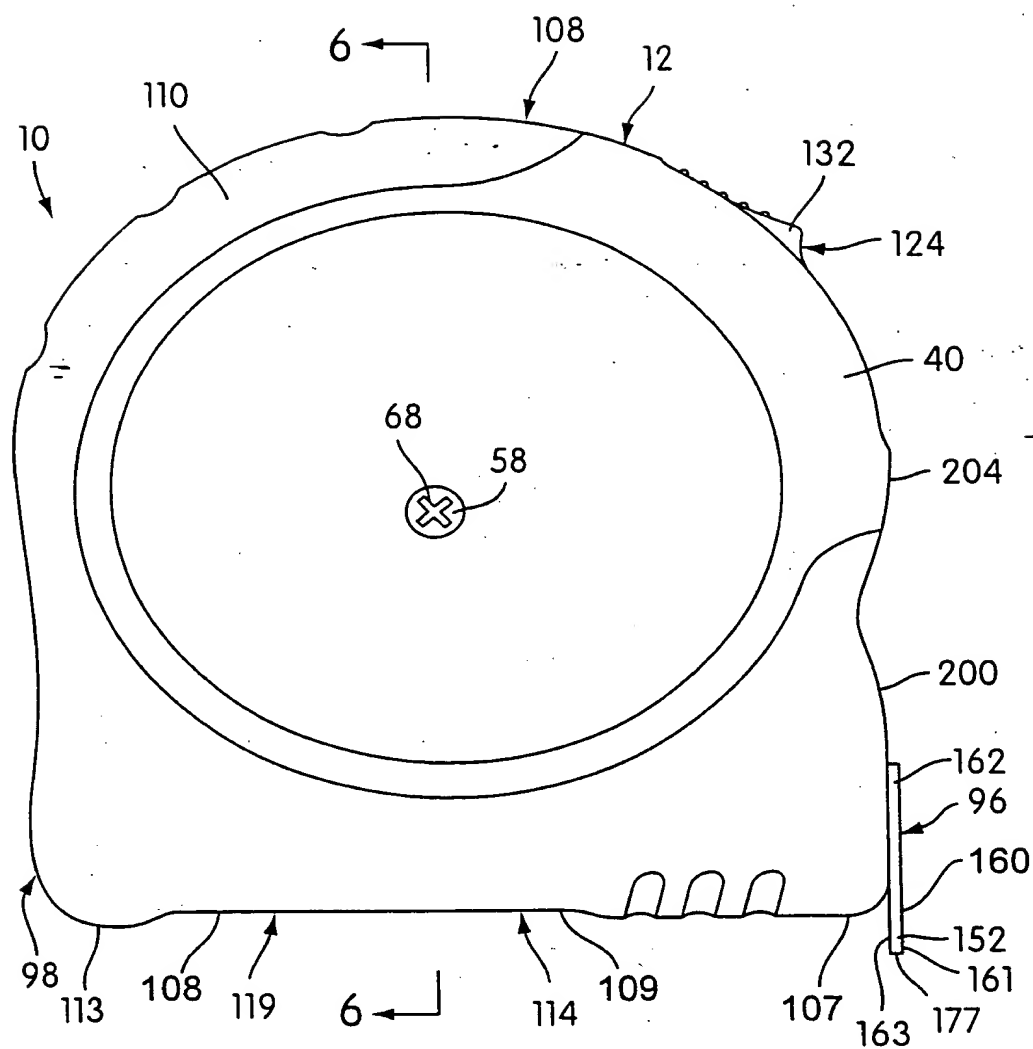


FIG. 3

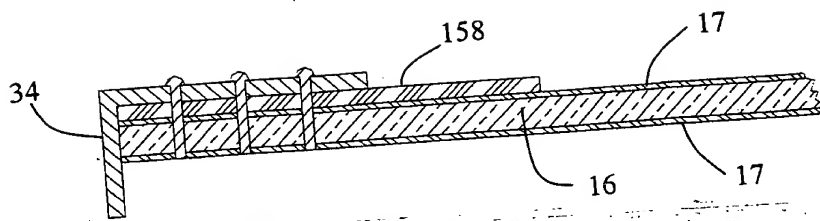


FIG. 5a

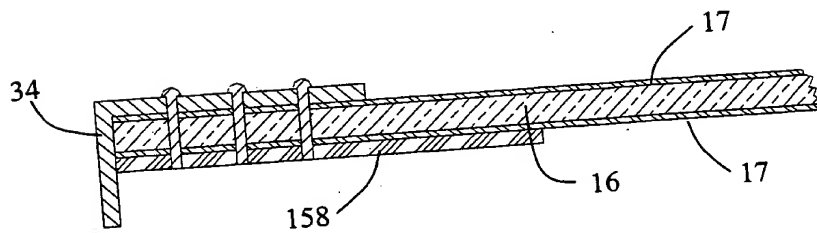


FIG. 5b

FIG. 5a

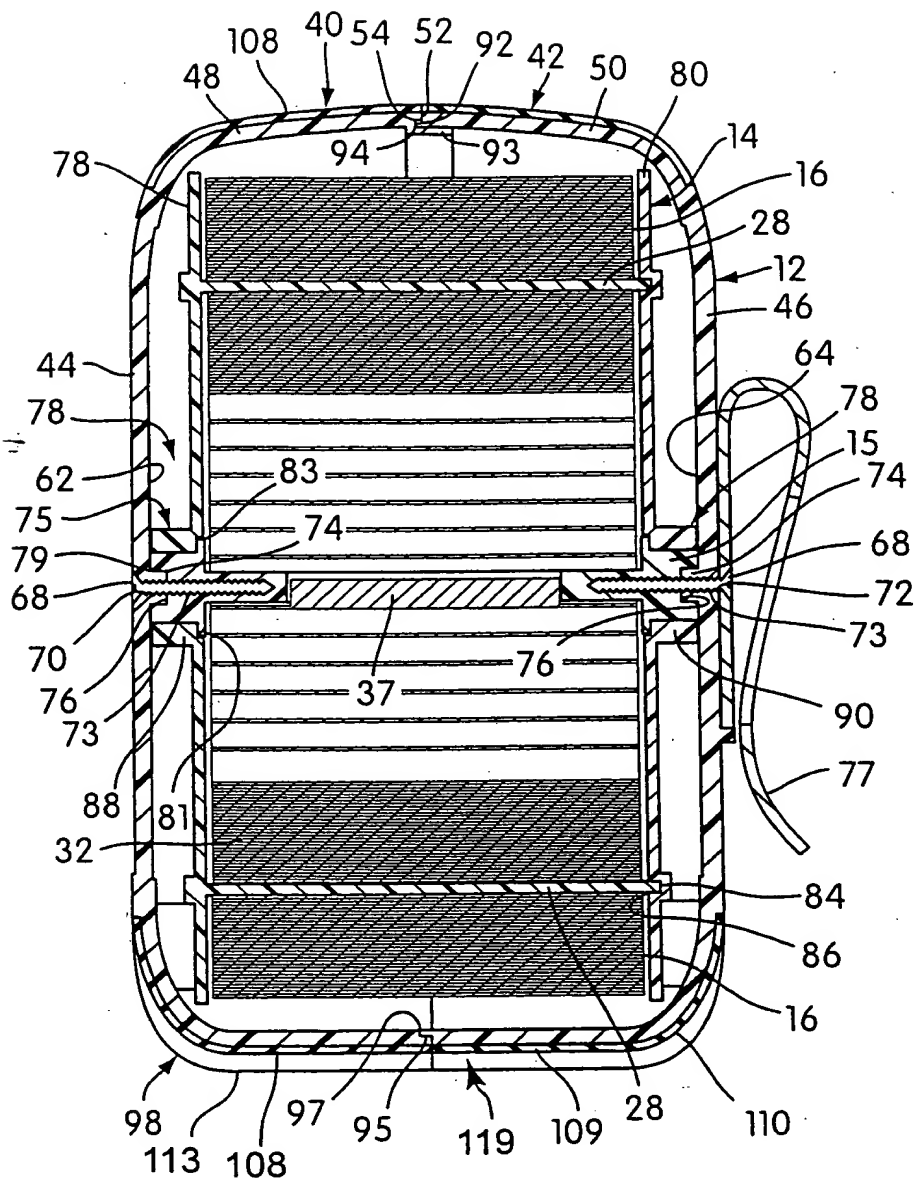


FIG. 6

FIG. 8

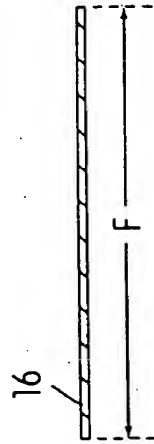
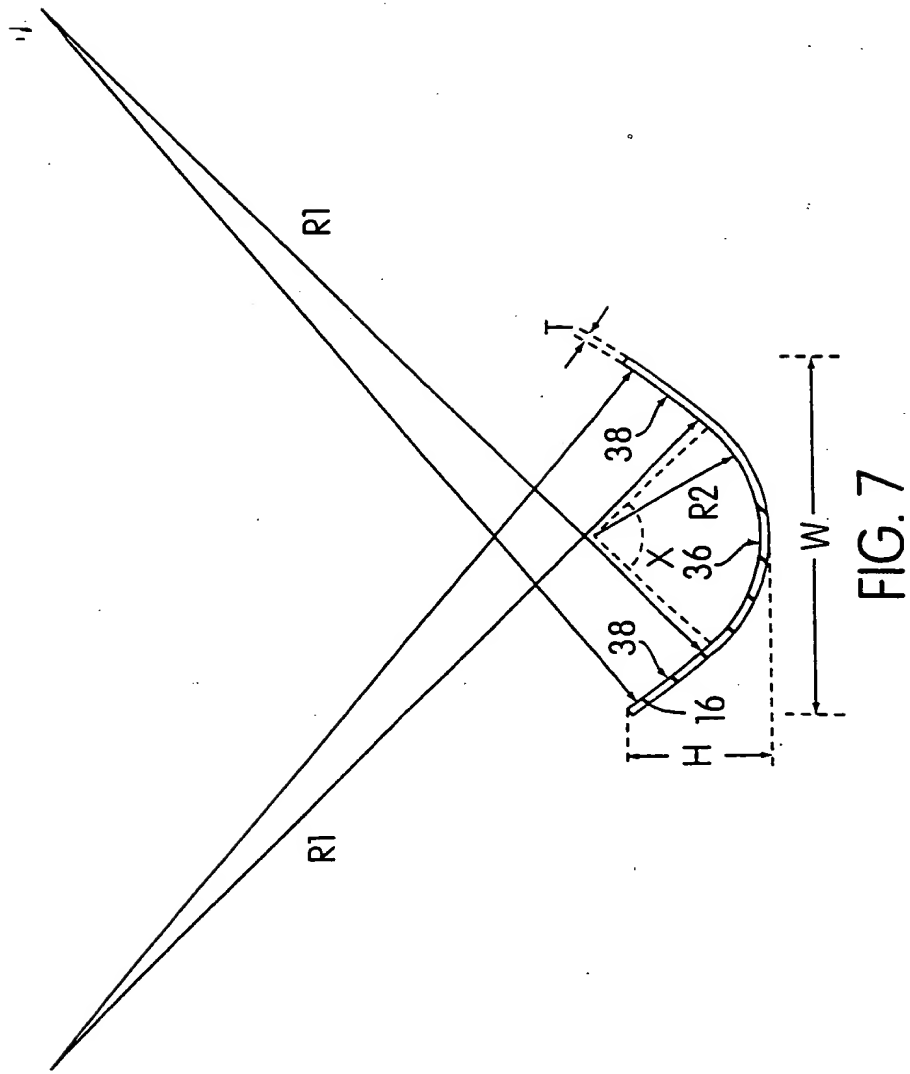


FIG. 8

			Tape Rule Required Height To Achieve Full Blade Extension "A" (in) (Range +/- 3%)		***Linear Length-Out "B" (in) (Range +/- 3%)		"Arcuate" Length-Out "C" (in / ft) (Range +/- 6 (in))		*Blade / Spring Thickness (in)	*Blade / Spring Width (in)	****Maximum Tape Rule Rotation Angle "D" At Full Extension (Degrees)	
			23		79		84 / 7 FT		0.0045 / 0.0051	1.000 / 0.875	94%	>45
			22		80		84 / 7 FT		0.0051 / 0.0056	1.000 / 0.875	95%	>45
			40		86		96 / 8 FT		0.0051 / 0.0056	1.000 / 0.875	90%	>45
			18		81		84 / 7 FT		0.0056 / 0.0060	1.000 / 0.875	96%	>45
			31		91		96 / 8 FT		0.0056 / 0.0060	1.000 / 0.875	95%	=/<35
			53		93		108 / 9 FT		0.0056 / 0.0060	1.000 / 0.875	86%	=/<25
			5		83		84 / 7 FT		0.0051 / 0.0051	1.250 / 1.250	99%	>45
			8		95		96 / 8 FT		0.0051 / 0.0051	1.250 / 1.250	99%	>45
			17		107		108 / 9 FT		0.0051 / 0.0051	1.250 / 1.250	99%	>45
			30		119		120 / 10 FT		0.0051 / 0.0051	1.250 / 1.250	99%	>45
			38		129		132 / 11 FT		0.0051 / 0.0051	1.250 / 1.250	98%	>45

Prior Art

* Blade width measured in flat form or arcuate perimeter of the cross section

** Raw steel thickness without coating(s)

*** Actual utility of tape blade stand-out

**** Rotation angle required when measuring vertical points above horizontal plane of blade tip

FIG. 9

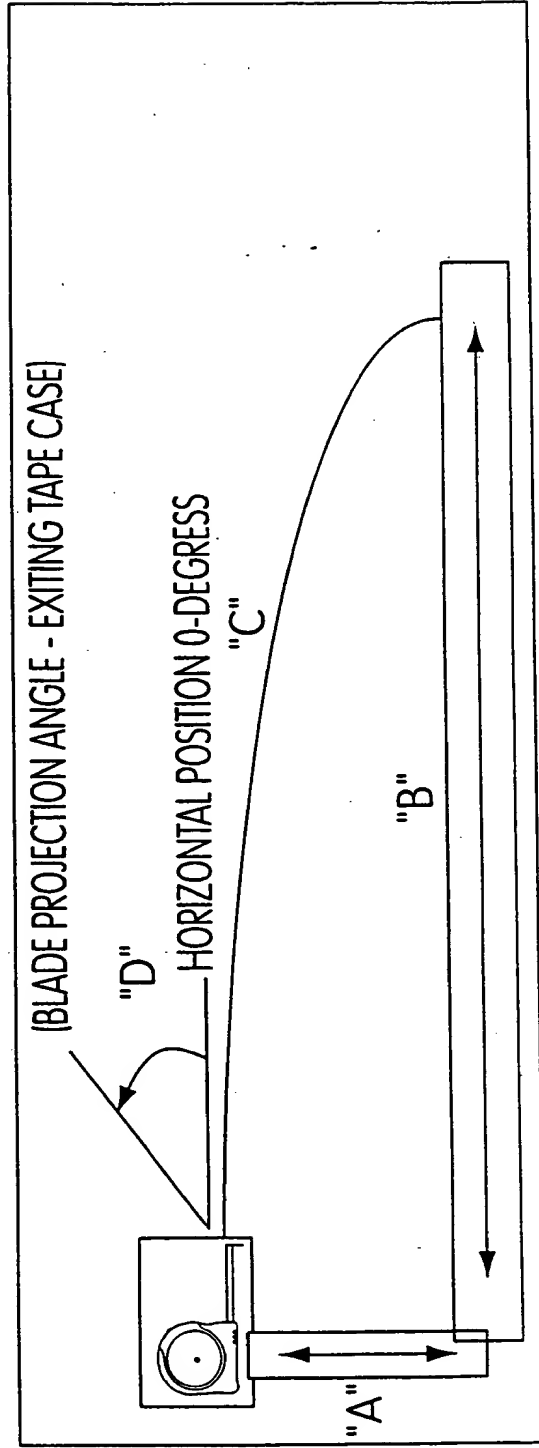


FIG. 10

FIG. 11